

## Product datasheet for **RG204369**

### **BAX (NM\_138761) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BAX (NM\_138761) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BAX  
**Synonyms:** BCL2L4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204369 representing NM\_138761  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGGGTCCGGGAGCAGCCAGAGCGGGGGCCACCAGCTCTGAGCAGATCATGAAGACAGGGG  
CCCTTTTGCTTCAGGGTTTCATCCAGGATCGAGCAGGGCGAATGGGGGGGAGGCACCCGAGCTGGCCCT  
GGACCCGGTGCCTCAGGATGCGTCCACCAAGAAGCTGAGCGAGTGTCTCAAGCGCATCGGGGACGAAGT  
GACAGTAACATGGAGCTGCAGAGGATGATTGCCCGGTGGACACAGACTCCCCCGAGAGGTCTTTTTCC  
GAGTGGCAGCTGACATGTTTTCTGACGGCAACTTCAACTGGGCGGGTGTGCGCCCTTTTCTACTTTGC  
CAGCAAATGGTCTCAAGGCCCTGTGCACCAAGGTGCCGGAAGTATCAGAACCATCATGGGCTGGACA  
TTGGACTTCTCCGGGAGCGGCTGTTGGGCTGGATCCAAGACCAGGGTGGTTGGGACGGCCTCTCTCCT  
ACTTTGGGACGCCACGTGGCAGACCGTGACCATCTTTGTGGCGGAGTGCTCACCCTCACTACCCAT  
CTGGAAGAAGATGGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG204369 representing NM\_138761  
Red=Cloning site Green=Tags(s)

MDGSGEQPRGGGPTSSEQIMKTGALLLQGFIQDRAGRMGGEAPELALDPVPQDASTKKLSECLKRIGDEL  
DSNMEIQRMIAAVDTDSPREVFRRVAADMFSNGFNWGRVVALFYFASKLVLKLCTKVPKPELIRTIMGWT  
LDFLRERLLGWIQDQGGWDGLLSYFGTPTWQTVTIFVAGVLTASLTIWKKMG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

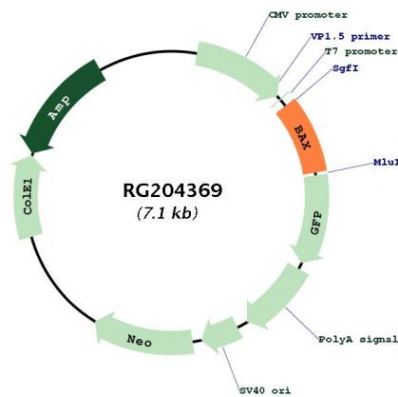


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RefSeq Size:	888 bp
RefSeq ORF:	579 bp
Locus ID:	581
UniProt ID:	<a href="#">Q07812</a>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Huntington's disease, Neurotrophin signaling pathway, p53 signaling pathway, Pathways in cancer, Prion diseases
Gene Summary:	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. The association and the ratio of BAX to BCL2 also determines survival or death of a cell following an apoptotic stimulus. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene. [provided by RefSeq, Dec 2019]

### Product images:



Circular map for RG204369